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IN THE ABSTRACT:

Please replace the existing abstract with the following:

A self-sealing device for a tire on a vehicle wheel, including a wheel, a wheel hub supporting the wheel, a wheel supply circuit, an inflating and deflating valve for supplying compressed air from a pressurized circuit, wherein the valve is positioned between the wheel and the wheel hub and includes sealing means integrated into the wheel supply circuit, wherein the sealing means is activatable to an open position in the presence of the valve and to a closed position in the absence of the valve.